

33. The method of claim 14, wherein said sulfotransferase nucleotide sequence variant encodes a sulfotransferase polypeptide having a histidine at residue 213 of a SULT1A1 polypeptide.

34. The method of claim 15, wherein said sulfotransferase nucleotide sequence variant comprises the SULT1A1*2 allele.

35. The method of claim 34, wherein said method further comprises detecting mutations within one or both of the BRCA1 and BRCA2 genes.

36. The method of claim 14, wherein said sulfotransferase nucleotide sequence variant is detected by allele-specific hybridization, allele-specific restriction digest, mutation-specific polymerase chain reaction, or single-stranded conformational polymorphism detection.--

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Applicant : Richard M. Weinshilboum et al.
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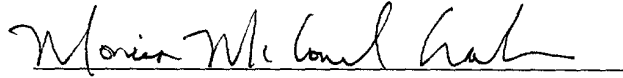
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REMARKS

Applicants have canceled claims 1-13 and 18-31, and added new dependant claims 32-36. Support for these claims can be found, for example, at page 7, lines 5-6 and at page 11, lines 15-24 of the present specification. No new matter has been introduced. Applicants ask that claims 14-17 and 32-36 be examined. No fees are believed to be due. Please apply any other charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

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Monica McCormick Graham, Ph.D.
Reg. No. 42,600

Fish & Richardson P.C., P.A.
60 South Sixth Street
Suite 3300
Minneapolis, MN 55402
Telephone: (612) 335-5070
Facsimile: (612) 288-9696

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